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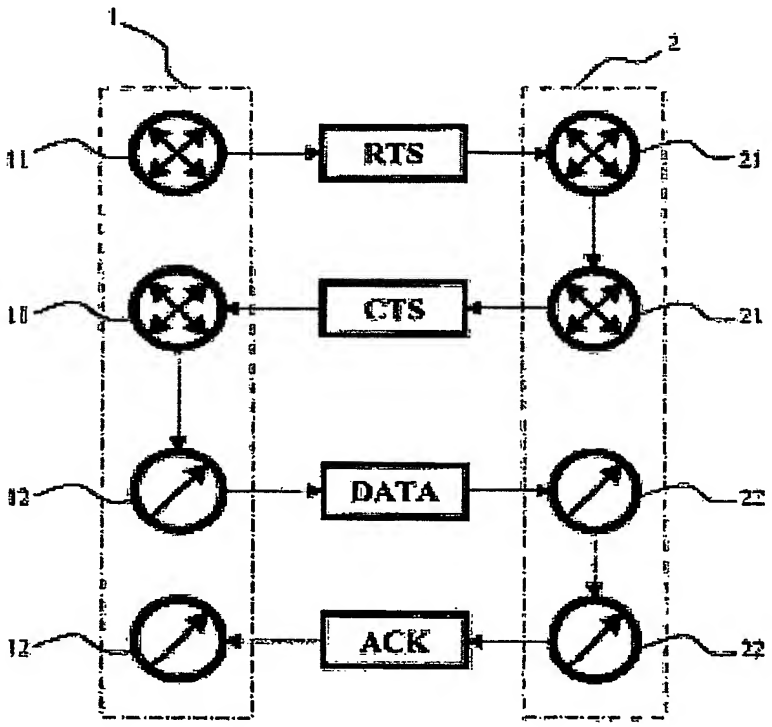
(54) Title: METHOD OF COMMUNICATION IN A WIRELESS COMMUNICATION NETWORK, CORRESPONDING STATION AND NETWORK



(57) Abstract: The invention pertains to a method of communication in respect of transmitting/receiving stations (1, 2) in a wireless communication network, in which method first multi-receiver frames (RTS, CTS) are exchanged between a station and a plurality of other stations and second mono-receiver frames (DATA, ACK) are exchanged between a transmitting station and a receiving station, the first frames being transmitted in an omnidirectional manner. According to the invention, the second frames are transmitted in a directional manner so as to increase the throughput of the network. Furthermore, the transmission in an omnidirectional manner is effected in a more robust fashion than the transmission in a directional manner.

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